

# Comparisons of Job Characteristics

**Focus Occupation:** Rotary Drill Operators, Oil and Gas (47-5012)

**Associated Occupation:** Service Unit Operators, Oil, Gas, and Mining (47-5013)

[Compare Knowledge](#)

[Compare Skills](#)

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[Compare Detailed Work Activities](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 71

**Focus Occupation:** Rotary Drill Operators, Oil and Gas (47-5012)

**Associated Occupation:** Service Unit Operators, Oil, Gas, and Mining (47-5013)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	14.8	15.3	0 Current knowledge level may be sufficient
Transportation	4.6	8.2	7.0	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 90

**Focus Occupation:** Rotary Drill Operators, Oil and Gas (47-5012)

**Associated Occupation:** Service Unit Operators, Oil, Gas, and Mining (47-5013)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	11.8	11.2	0 Current skill level may be sufficient
Operation and Control	5.4	10.3	11.5	> Skill level is likely sufficient
Quality Control Analysis	5.9	8.7	8.8	0 Current skill level may be sufficient
Troubleshooting	4.5	8.3	8.4	0 Current skill level may be sufficient
Repairing	3.4	7.9	8.8	> Skill level is likely sufficient
Equipment Maintenance	3.5	7.7	8.6	> Skill level is likely sufficient
Equipment Selection	3.3	5.7	6.2	0 Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 86

**Focus Occupation: Rotary Drill Operators, Oil and Gas (47-5012)**  
**Associated Occupation: Service Unit Operators, Oil, Gas, and Mining (47-5013)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	12.5	13.0	0	Current ability level may be sufficient
Multilimb Coordination	6.0	12.2	11.6	0	Current ability level may be sufficient
Depth Perception	5.3	10.8	7.9	<<	Extensive improvement in abilities may be required
Selective Attention	8.7	10.6	11.5	0	Current ability level may be sufficient
Reaction Time	4.8	10.3	9.0	<	Some improvement in abilities may be required
Hearing Sensitivity	5.6	9.8	7.3	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	9.5	9.7	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	8.6	6.9	<	Some improvement in abilities may be required
Wrist-Finger Speed	3.2	6.5	3.4	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	5.7	3.3	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 99

**Focus Occupation: Rotary Drill Operators, Oil and Gas (47-5012)**  
**Associated Occupation: Service Unit Operators, Oil, Gas, and Mining (47-5013)**

Work Activities	Exclusivity of Activity
Assemble detonation units for construction or extraction work	89
Charge blasting holes with explosives	82
Determine amount or kind of explosive needed to complete job	85
Determine locations, angles, and depths of blast holes	92
Detonate blasting charges for construction or extraction work	89
Drill blasting holes	89
Monitor operation of drilling equipment	95
Remove or retrieve tools, equipment, casings or pipe from wells	95
Use hand or power tools	2
Use measuring devices in construction or extraction work	41

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Rotary Drill Operators, Oil and Gas (47-5012)**

**Associated Occupation: Service Unit Operators, Oil, Gas, and Mining (47-5013)**

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.